

PERMIT CONDITIONS
Rule 348, Aerospace Manufacturing & Rework Operations
Large Source

SPECIFIC CONDITIONS:

21. **Allowable Emissions:** The Permittee shall not allow emissions into the atmosphere to exceed any of the following limits:

	Daily Emission Limits	Twelve Month Rolling Total Emission Limits
Volatile Organic Compounds (VOCs)		
Particulates Smaller Than 10 Microns (PM10)		
Total Hazardous Air Pollutants		

The twelve month rolling total emission shall be calculated within 15 days following the end of each calendar month by summing the total over the most recent twelve calendar months.

Surface Coating Operations

22. **Controls:**

- a. The Permittee shall conduct all spray coating activities in a paint booth equipped with exhaust filters which are certified by the manufacturer and accepted by the Control Officer as having a minimum over spray removal efficiency of at least 92% for similar types of applications. The Permittee shall install and maintain the exhaust filters in accordance with the manufacturer's recommendations, with no gaps or visible openings.

This condition does not apply to spray coating activities that are conducted in a completely enclosed building, provided such activities are conducted in a manner that does not allow overspray to be emitted into the outside air.

- b. All primers and topcoats applied to aerospace vehicles shall be applied using one or more of the following techniques: flow/curtain coat; dip coat; roll coating; brush coating; cotton-tipped swab application; electrodeposition (DIP) coating; high volume low pressure (HVLP) spraying; or electrostatic spray. Following written approval by the Control Officer, the Permittee may also use any other coating

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application method that can demonstrate a minimum transfer efficiency of 65%. This permit condition does not apply to application equipment used for any operation listed in Rule 348, Section 308.2.

- c. The exhaust from all paint booths shall be directed vertically up into the atmosphere.

- 23. **Material Limitations:** The Permittee shall not apply any topcoats or primers unless the VOC content is limited to the values specified in Rule 348 §301, Table 1A. The Permittee shall not apply any speciality coating unless the VOC content is limited to the values specified in Rule 348 §301, Table 1B. The following types of coatings are exempt from the coating limits specified in Table 1A & 1B: touchup coatings, hand-held aerosol can coatings; DOD “classified” coatings; space vehicle coatings.

Low usage coatings do not need to meet the requirements of Rule 348, §301 and §302 if the aggregate of all formulations do not exceed 200 gallons per year facility-wide. A low usage coating is defined as a coating with a separate formulation that is used in volumes of less than 50 gallons per year.

Cleaning solvents used in hand-wipe operations, except those involving cleaning and surface activation prior to adhesive bonding, shall have a VOC composite vapor pressure less than or equal to 45 mm of Hg at 20°C.

- 24. **Training:** The Permittee shall provide training to all individuals before they are allowed to operate any surface coating equipment. Training shall include, proper application techniques, cleaning procedures, and equipment setup and adjustment as well as record keeping specified by Condition 28 and applicable Rules, VOC containment and VOC disposal requirements. Refresher training shall be given as necessary.

- 25. **Other:**

- a. Spray Equipment Cleanup: The Permittee must use one or more of the following methods:
 - 1. An enclosed spray gun cleaning system. All leaks must be repaired within 14 days from discovery. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the leak is repaired. The Permittee shall visually inspect the seals and all other potential sources of leaks at least once per month while the cleaner is in operation.
 - 2. Unatomized discharge of solvent into a waste container that is kept closed when not in use.

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3. Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.
 4. Atomized spray into a waste container that is fitted with a device designed to capture atomized emissions.
- b. Flush Cleaning: Cleaning solvents used in flush cleaning of parts, assemblies, and coating unit components must be emptied into and enclosed container or collection system or captured with wipers. This permit condition does not apply to semiaqueous cleaning solvents with a minimum water content of 60%.

Recordkeeping, Containment, & Disposal

26. Record Keeping:

- a. The Permittee shall maintain a current list of VOC containing materials, including their formulations as applied, make-up solvents, and any other VOC containing materials used for all operations at the facility, stating the VOC content of each in either pounds per gallon or grams per liter. The vapor pressure limits of cleaning solvents shall be documented by a manufacturer's technical data sheet, manufacturer's safety data sheet or actual test results.
- b. The Permittee shall keep monthly usage records of VOC containing materials.
- c. The Permittee shall maintain monthly records of inspections of the enclosed gun cleaning system.

27. VOC Containment and Disposal: The Permittee shall take all reasonable measures to keep VOCs from evaporating into the atmosphere including, but not limited to:

1. All materials from which VOCs can evaporate, including coatings, adhesives, fresh solvent, used solvent, waste solvent and solvent soaked rags and residues shall be stored in closed containers when not in use. Such containers one gallon and larger shall be legibly labeled with their contents. VOC containing materials shall be disposed of in closed containers.
2. All containers and mixing tanks containing VOCs shall be leak free and shall be kept covered except when the materials are being transferred or when the containers are being cleaned.